



Fundamentals of Industrial Drives

By B.N. Sarkar

PHI Learning, 2011. Softcover. Book Condition: New. This book is a comprehensive treatment of the basic concepts of electric motor drives and their industrial applications. It is well developed to assist the students in a thorough understanding of the subject matter from fundamental principles. Both the conventional and the modern schemes of drive mechanisms, employing power electronic devices, have been explained in great detail. Besides the speed control and braking characteristics of electric motors, their thermal characteristics, and transient and dynamic behaviour have also been explained. The procedure for the selection of a motor for a particular application, with the comparative characteristics of all such motors, has been elaborately discussed. The book is primarily designed for the undergraduate students of electrical engineering. It will also be useful for the diploma students of electrical engineering as well as those preparing for the AMIE examinations. KEY FEATURES : Explains basic concepts through a large number of illustrations and worked-out examples. Derives system equations step-by-step from fundamentals. Discusses the development of the power electronic devices, dc choppers and the applications of electric drives in various industries. Gives chapter-end questions and problems with answers to reinforce a student's grasp of the subject matter. Contents:...



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